

## CUMULATIVE INDEX

VOLUMES 22 TO 26

### INDEX OF CONTRIBUTING AUTHORS

**A**  
Abbott, B. C., 23:529  
Alexander, R. S., 25:213  
Allen, T. H., 22:349  
Angeletti, P. U., 24:11  
Asboe-Hansen, G., 25:41  
Aschoff, J., 25:581  
Athens, J. W., 25:195

**B**  
Beadle, G. W., 22:45  
Bennett, M. V. L., 26:289  
Berne, R. M., 26:153  
Black, E. C., 22:169  
Bohr, D. F., 23:295  
Bollman, J. L., 23:183  
Brady, A. J., 23:529; 26: 341  
Brooks, F. P., 22:473  
Burnstock, G., 25:61  
Buser, P., 23:387

**C**  
Carlson, L. D., 24:85  
Chinard, F. P., 26:187  
Cooper, K. E., 24:139  
Crescitelli, F., 22:525  
Crismon, J. M., 22:317  
Cutler, R. E., 25:385

**D**  
Daniels, F., Jr., 23:207  
Dartnall, H. J. A., 25:433  
DeHaan, R. L., 26:15  
Deutsch, J. A., 24:259  
Dowling, J. T., 22:615  
Drummond, G. L., 22:169  
DuBois, A. B., 26:421

**E**  
Ebert, J. D., 26:15  
Edelman, I. S., 23:37  
Edwards, C., 24:325  
Erlanger, J., 26:1

**F**  
Farner, D. S., 23:71  
Farrell, G., 24:471  
Fenn, W. O., 24:1

Flink, E. B., 23:229  
Florey, E., 23:501  
Forbes, T. R., 22:75  
Forsham, P. H., 22:579  
Fortier, C., 24:223  
Frank, K., 23:357  
Fuortes, M. G. F., 23:357

**G**  
Galeano, C., 22:433  
Galton, V. A., 25:361  
Ganong, W. F., 22:579  
Geiman, Q. M., 26:75  
Giebisch, G., 24:357  
Goldberg, J. M., 22:499  
Grossman, M. I., 25:165

**H**  
Hagbarth, K. -E., 26:249  
Harris, A. S., 22:283  
Hawkins, J. E., Jr., 26: 453  
Heymans, C., 25:1  
Hightower, N. C., Jr., 24: 109  
Hirsch, P. F., 25:325  
Hoffman, B. F., 23:327  
Hogben, C. A. M., 22:381  
Holman, M. E., 25:61  
Horridge, G. A., 25:523  
Hotchkiss, J., 26:47  
Huxley, A. F., 26:131

**J**  
Janowitz, H. D., 23:153  
John, E. R., 23:451

**K**  
Kalmus, H., 26:109  
Kavalier, F., 23:327  
Kleeman, C. R., 25:385  
Kleiber, M., 23:15  
Knobil, E., 26:47

**L**  
Lawrence, M., 23:485  
Laws, D. F., 25:631  
Leaf, A., 22:111  
Levi-Montalcini, R., 24:11  
Levy, M. N., 26:153

**M**  
McLean, F. C., 22:1  
Manwell, C., 22:191  
Marsh, D. J., 25:91  
Menguy, R., 26:227  
Miller, S., 24:199  
Milnor, W. R., 24:169  
Mommmaerts, W. F. H. M., 23:529  
Munson, P. L., 25:325  
Murray, J. F., 26:389

**N**  
Neff, W. D., 22:499  
Nichols, J. S., 22:95

**P**  
Perkins, J. F., Jr., 22: 245  
Perl, E. R., 25:459  
Pincus, G., 24:57  
Prescott, D. M., 22:17

**R**  
Randle, P. J., 25:291  
Reeve, E. B., 22:349  
Roberts, J. E., 22:349  
Rogers, T. A., 23:15  
Rougeul, A., 23:387

**S**  
Schmidt, C. F., 23:1  
Schmidt-Nielsen, B., 25: 631  
Segundo, J. P., 22:433  
Severinghaus, J. W., 24: 421  
Sharpless, S. K., 26:357  
Shock, N. W., 23:97  
Siekevitz, P., 25:15  
Söderberg, U., 26:271  
Sokolov, E. N., 25:545  
Solomon, D. H., 22:615  
Spyropoulos, C. S., 22: 407  
Stämpfli, R., 25:493  
Ström, G., 23:419

## CUMULATIVE INDEX

VOLUMES 22 TO 26

### INDEX OF CONTRIBUTING AUTHORS

**A**  
Abbott, B. C., 23:529  
Alexander, R. S., 25:213  
Allen, T. H., 22:349  
Angeletti, P. U., 24:11  
Asboe-Hansen, G., 25:41  
Aschoff, J., 25:581  
Athens, J. W., 25:195

**B**  
Beadle, G. W., 22:45  
Bennett, M. V. L., 26:289  
Berne, R. M., 26:153  
Black, E. C., 22:169  
Bohr, D. F., 23:295  
Bollman, J. L., 23:183  
Brady, A. J., 23:529; 26: 341  
Brooks, F. P., 22:473  
Burnstock, G., 25:61  
Buser, P., 23:387

**C**  
Carlson, L. D., 24:85  
Chinard, F. P., 26:187  
Cooper, K. E., 24:139  
Crescitelli, F., 22:525  
Crismon, J. M., 22:317  
Cutler, R. E., 25:385

**D**  
Daniels, F., Jr., 23:207  
Dartnall, H. J. A., 25:433  
DeHaan, R. L., 26:15  
Deutsch, J. A., 24:259  
Dowling, J. T., 22:615  
Drummond, G. L., 22:169  
DuBois, A. B., 26:421

**E**  
Ebert, J. D., 26:15  
Edelman, I. S., 23:37  
Edwards, C., 24:325  
Erlanger, J., 26:1

**F**  
Farner, D. S., 23:71  
Farrell, G., 24:471  
Fenn, W. O., 24:1

Flink, E. B., 23:229  
Florey, E., 23:501  
Forbes, T. R., 22:75  
Forsham, P. H., 22:579  
Fortier, C., 24:223  
Frank, K., 23:357  
Fuortes, M. G. F., 23:357

**G**  
Galeano, C., 22:433  
Galton, V. A., 25:361  
Ganong, W. F., 22:579  
Geiman, Q. M., 26:75  
Giebisch, G., 24:357  
Goldberg, J. M., 22:499  
Grossman, M. I., 25:165

**H**  
Hagbarth, K. -E., 26:249  
Harris, A. S., 22:283  
Hawkins, J. E., Jr., 26: 453  
Heymans, C., 25:1  
Hightower, N. C., Jr., 24: 109  
Hirsch, P. F., 25:325  
Hoffman, B. F., 23:327  
Hogben, C. A. M., 22:381  
Holman, M. E., 25:61  
Horridge, G. A., 25:523  
Hotchkiss, J., 26:47  
Huxley, A. F., 26:131

**J**  
Janowitz, H. D., 23:153  
John, E. R., 23:451

**K**  
Kalmus, H., 26:109  
Kavalier, F., 23:327  
Kleeman, C. R., 25:385  
Kleiber, M., 23:15  
Knobil, E., 26:47

**L**  
Lawrence, M., 23:485  
Laws, D. F., 25:631  
Leaf, A., 22:111  
Levi-Montalcini, R., 24:11  
Levy, M. N., 26:153

**M**  
McLean, F. C., 22:1  
Manwell, C., 22:191  
Marsh, D. J., 25:91  
Menguy, R., 26:227  
Miller, S., 24:199  
Milnor, W. R., 24:169  
Mommmaerts, W. F. H. M., 23:529

**N**  
Neff, W. D., 22:499  
Nichols, J. S., 22:95

**P**  
Perkins, J. F., Jr., 22: 245  
Perl, E. R., 25:459  
Pincus, G., 24:57  
Prescott, D. M., 22:17

**R**  
Randle, P. J., 25:291  
Reeve, E. B., 22:349  
Roberts, J. E., 22:349  
Rogers, T. A., 23:15  
Rougeul, A., 23:387

**S**  
Schmidt, C. F., 23:1  
Schmidt-Nielsen, B., 25: 631  
Segundo, J. P., 22:433  
Severinghaus, J. W., 24: 421  
Sharpless, S. K., 26:357  
Shock, N. W., 23:97  
Siekevitz, P., 25:15  
Söderberg, U., 26:271  
Sokolov, E. N., 25:545  
Solomon, D. H., 22:615  
Spyropoulos, C. S., 22: 407  
Stämpfli, R., 25:493  
Ström, G., 23:419

## T

Tansley, K., 25:433  
 Tashjian, A. H., Jr., 25:  
 325  
 Taylor, A. N., 24:471  
 Tenney, S. M., 23:123  
 Terzuolo, C. A., 24:325  
 U  
 Ullrich, K. J., 25:91

## V

Van der Kloot, W. G.,  
 24:491  
 Velardo, J. T., 23:  
 263  
 Vernberg, F. J., 24:  
 517  
 Villee, C. A., 25:  
 263  
 Villee, D. B., 25:  
 263

## W

Weddell, G., 24:199  
 Whitehorn, W. V., 25:  
 235  
 Wilbrandt, W., 25:601  
 Wirz, H., 23:577  
 Wyss, O. A. M., 25:143  
 Z  
 Zanchetti, A., 24:287



## INDEX OF CHAPTER TITLES

## VOLUMES 22 TO 26

## ADENOHYPOPHYSIS AND ADRENAL CORTEX

W. F. Ganong, P. H. Forsham  
 E. B. Flink  
 C. Fortier  
 P. J. Randle  
 C. R. Kleeman, R. E. Cutler  
 E. Knobil, J. Hotchkiss

22:579-614  
 23:229-62  
 24:223-58  
 25:291-324  
 25:385-432  
 26:47-74

## ENDOCRINE CONTROL OF METABOLISM

Athens, J. W.

25:195-212

## BLOOD: FORMED ELEMENTS

E. B. Reeve, T. H. Allen,

J. E. Roberts

G. Farrell, A. N. Taylor

22:349-80

24:47-90

## NEUROENDOCRINE ASPECTS

J. M. Crismon

22:317-48

## CIRCULATION, SYSTEMIC

D. F. Bohr

23:295-326

K. E. Cooper

24:139-68

R. S. Alexander

25:213-34

J. F. Murray

26:421-52

## COMPARATIVE PHYSIOLOGY

C. Maxwell

22:191-244

## BLOOD PIGMENTS

J. Aschoff

25:581-600

## DIURNAL RHYTHMS

W. G. Van der Kloot

24:491-516

## ENDOCRINOLOGY OF INVERTEBRATES

G. I. Drummond, E. C. Black

22:169-90

## FUEL OF MUSCLE METABOLISM

G. A. Horridge

25:523-44

## INTEGRATIVE ACTION OF THE NERVOUS SYSTEM

B. Schmidt-Nielsen, D. F. Laws

25:631-57

## INVERTEBRATE MECHANISMS FOR DILUTING AND CONCENTRATING

Q. M. Geiman

26:75-108

## THE URINE

H. Kalmus

26:109-30

## MUTUALISM, SYMBIOSIS, AND PARASITISM

D. S. Farmer

23:71-96

## NAVIGATION BY ANIMALS

F. J. Vernberg

24:517-46

## PHOTOPERIODICITY

E. Florey

23:501-28

## PHYSIOLOGICAL PROPERTIES

G. Asboe-Hansen

25:41-60

## TRANSMITTER SUBSTANCES

## CONNECTIVE AND SUPPORTING TISSUES

<b>CUTANEOUS RECEPTORS</b>		
Cutaneous Sensibility	G. Weddell, S. Miller	24:199-222
<b>DEVELOPMENTAL PHYSIOLOGY</b>		
Aging in Man	J. S. Nicholas	22:95-110
<b>DIGESTIVE SYSTEM</b>	N. W. Shock	23:97-122
Motor Functions of the Alimentary Tract	C. A. M. Hogben	22:381-406
	H. D. Janowitz	23:153-82
	N. C. Hightower, Jr.	24:109-38
	Grossman, M. I.	25:165-94
<b>ENERGY METABOLISM</b> (see also Russian Literature)	R. Menguy	26:227-48
<b>GENETICS: PHYSIOLOGICAL ASPECTS</b>	M. Kleiber, T. A. Rogers	23:15-36
<b>GROWTH</b>	G. W. Beadle	22:45-74
Growth and Differentiation	R. Levi-Montalcini, P. Angeletti	24:11-56
Morphogenesis	R. L. DeHaan, J. D. Ebert	26:15-46
<b>HEARING</b>	M. Lawrence	23:485-500
	J. E. Hawkins, Jr.	26:453-80
<b>HEART</b>	A. S. Harris	22:283-316
	B. F. Hoffman, F. Kavaler	23:337-56
	W. R. Milnor	24:169-98
	Whitehorn, W. V.	25:235-62
	R. M. Berne, M. N. Levy	26:153-86
<b>HEAT AND COLD</b>	L. D. Carlson	24:85-108
<b>KIDNEY, WATER, AND ELECTROLYTE METABOLISM</b>	A. Leaf	22:111-68
	H. Wirz	23:577-606
	G. Giebisch	24:357-420
	K. J. Ulrich, D. J. Marsh	25:91-142
	F. P. Chinard	26:187-226
<b>LIVER</b>	J. L. Bollman	23:183-206
<b>METABOLISM</b> (see Kidney; and Energy Metabolism)		
<b>MUSCLE</b>	W. F. H. M. Mommaerts, with A. J. Brady, B. C. Abbott	23:529-76
Smooth Muscle: Autonomic Nerve Transmission	G. Burnstock, M. E. Holman	25:61-90
	A. F. Huxley	26:131-52
Excitation and Excitation-Contraction Coupling in Cardiac Muscle	A. J. Brady	26:341-56
<b>NERVOUS SYSTEM</b>		
Activities of Central Nervous System	J. P. Segundo, C. Galeano	22:433-72
	P. Buser, A. Rougeul	23:387-418
	A. Zanchetti	24:287-324
	E. R. Perl	25:459-92
Somatosensory Mechanisms	K. -E. Hagbarth	26:249-70
Lower Somatic Functions of the Nervous System	U. Söderberg	26:271-88
Neurophysiological Aspects of Homeostasis	C. S. Spyropoulos, I. Tasaki	22:407-32
Nervous Function at Cellular Level	K. Frank, M. G. F. Fuortes	23:357-86
	C. A. Terzuolo, C. Edwards	24:325-56
	R. Stämpfli	25:493-522
	M. V. L. Bennett	26:289-340
<b>Reorganization of Function of Nervous System</b>	W. D. Neff, J. M. Goldberg	22:499-524
	E. R. John	23:451-84

## INDEX OF CHAPTER TITLES

525

Physiological Bases of Memory	J. A. Deutsch	24:259-86
The Orienting Reflex	E. N. Sokolov	25:545-80
Reorganization of Function in the Nervous System - Use and Disuse	S. K. Sharpless	26:357-88
<u>Visceral Functions</u>	F. P. Brooks G. Ström	22:473-98 23:419-50
<b>PARATHYROID GLAND</b>	P. L. Munson, P. F. Hirsch, A. H. Tashjian, Jr.	25:325-60
<b>PHARMACOLOGY (see Energy Metabolism; and Nervous System, Nervous Function at Cellular Level)</b>		
<b>PREFATORY CHAPTERS</b>		
Physiology and Medicine, A Transition Period	F. C. McLean	22:1-16
Pharmacology in a Changing World	C. F. Schmidt	23:1-14
Born Fifty Years Too Soon	W. O. Fenn	24:1-10
A Look at an Old but Still Current Problem	C. Heymans	25:1-14
Prefatory Chapter: A Physiologist Reminiscences	J. Erlanger	26:1-14
<b>PROTOPLASM</b>		
Nuclear Function and Nuclear-Cytoplasmic Interactions	D. M. Prescott	22:17-44
Endoplasmic Reticulum and Microsomes and Their Properties	P. Siekevitz	25:15-40
<b>REPRODUCTION</b>		
T. R. Forbes	22:75-94	
J. T. Velardo	23:263-94	
G. Pincus	24:57-84	
C. A. Villee, D. B. Villee	25:263-90	
H. -H. Wang, S. C. Wang	21:151-82	
J. F. Perkins, Jr.	22:245-82	
S. M. Tenney	23:123-52	
J. W. Severinghaus	24:421-70	
O. A. M. Wyss	25:143-62	
A. B. DuBois	26:421-52	
<b>SKIN</b>	W. C. Lobitz, Jr., F. Daniels, Jr.	23:207-28
<b>THYROID GLAND</b>		
D. H. Solomon, J. T. Dowling	22:615-50	
S. H. Ingbar, V. A. Galton	25:361-84	
<b>TRANSPORT THROUGH BIOLOGICAL MEMBRANES</b>		
I. S. Edelman	23:37-70	
W. Wilbrandt	25:601-30	
<b>VISION</b>		
Retinal Structure and Visual Pigments	F. Crescitelli H. J. A. Dartnall, K. Tansley	22:525-78 25:433-58